

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12901	pixel\$2 near2 (edge\$2 or boundar\$5 or contour\$2 or outline\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L2	2702	L1 and (embed\$4 or hid\$4 or (water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:27
L3	951	L2 and ((neighbor\$3 or adjacen\$3) near pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L4	273	L3 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L5	395	L3 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:25
L6	535	4 or 5	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:25
L7	43	6 and ((embed\$4 or hid\$4 or (water adj mark\$3) or watermark\$3) near5 (edge\$2 or boundar\$5 or contour\$2 or outline\$2))	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:45
L8	221	6 and (horizontal\$3 and vertical\$3 and (diagonal\$3 or obliq\$3))	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:45
L9	38	8 and (pixel\$2 near5 (horizontal\$3 and vertical\$3 and (diagonal\$3 or obliq\$3)))	US-PGPUB; USPAT	OR	OFF	2005/04/30 14:46
L10	36	9 not 7	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:11
L11	773	steganograph\$7	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L12	297	11 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L13	164	11 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L14	389	12 or 13	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L15	263	14 and (edge\$2 or boundar\$5 or contour\$2 or outline\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:12
L16	7	15 and ((neighbor\$3 or adjacen\$3) near pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/30 16:13
S1	3834	((382/100,232) or (380/51,202,203,204,216) or (713/176,179) or (348/460) or (358/3.28)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 13:50
S17 8	5363	((382/100,232) or (380/51,202,203,204,216) or (713/176,179) or (348/460) or (358/3.28)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 13:51

S179	1123	S178 and ((outline\$2 or contour\$3 or edge\$3 or boundar\$4) with image\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:27
S180	200	S179 and (pixel\$2 near2 adjacen\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:28
S181	143	S180 and (vertical\$3 and horizontal\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:23
S182	92	S181 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:29
S183	38	S181 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 13:59
S184	110	S182 or S183	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:15
S185	36	S184 and (obliqu\$3 or diagonal\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:30
S186	8	S185 and ((vertical\$3 and horizontal\$3 and (obliqu\$3 or diagonal\$3)) near5 pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:28
S187	128617	((outline\$2 or contour\$3 or edge\$3 or boundar\$4) with image\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:45
S188	7694	S187 and (pixel\$2 near2 adjacen\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:28
S189	511	S188 and ((vertical\$3 and horizontal\$3 and (obliqu\$3 or diagonal\$3)) near5 pixel\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:29
S190	509	S189 and ((vertical\$3 and horizontal\$3 and (obliqu\$3 or diagonal\$3)) near5 pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:17
S191	280	S190 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:16
S192	123	S190 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:29
S193	318	S191 or S192	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:29
S194	310	S193 not S184	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:30

S19 5	310	S194 and (obliqu\$3 or diagonal\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:30
S19 6	143	S195 and (hid\$3 or embed\$5 or encod\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 16:31
S19 7	1	S196 and watermark\$3	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:14
S19 8	222	S194 and ((outline\$2 or contour\$3 or edge\$3 or boundar\$4) near3 pixel\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:49
S19 9	181	S198 and ((outline\$2 or contour\$3 or edge\$3 or boundar\$4) near2 pixel\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:46
S20 0	181	S199 and (outline\$2 or contour\$3 or edge\$3 or boundar\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/29 16:49
S20 1	1	S196 and (water adj mark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:16
S20 2	6390	watermark\$3	US-PGPUB; USPAT	OR	OFF	2005/04/29 18:16
S20 3	1566	S202 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:01
S20 4	1221	S202 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:16
S20 5	2376	S203 or S204	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:17
S20 6	787	S205 and (image\$2 near5 watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:17
S20 7	4	S206 and ((vertical\$3 and horizontal\$3 and (obliqu\$3 or diagonal\$3)) near5 pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 17:17
S20 8	4	("6466209").URPN.	USPAT	OR	OFF	2005/04/29 18:05
S20 9	12	("4972476" "5113437" "5488664" "5521722" "5530759" "5537223" "5568570" "5613004" "5636292" "5659726" "5687236" "5721788").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 18:16

S21 0	5344	outline\$2 near2 image\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/29 18:16
S21 1	61	S210 and ((water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 18:58
S21 2	47	S211 and pixel\$2	US-PGPUB; USPAT	OR	OFF	2005/04/29 18:59
S21 3	2885	outlin\$3 near: image\$2	US-PGPUB; USPAT	OR	OFF	2005/04/29 18:58
S21 4	32	S213 and ((water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:00
S21 5	22	S214 and pixel\$2	US-PGPUB; USPAT	OR	OFF	2005/04/29 18:59
S21 6	0	S215 not S212	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:00
S21 7	363	pixel\$2 near: outline\$2	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:00
S21 8	4	S217 and ((water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:05
S21 9	200	S217 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:07
S22 0	87	S217 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:01
S22 1	220	S219 or S220	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:01
S22 2	13	S221 and embed\$5	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:04
S22 3	12901	pixel\$2 near2 (edge\$2 or boundar\$5 or contour\$2 or outline\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:05
S22 4	1661	S223 and (embed\$4 or hid\$4 or (water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:05
S22 5	2702	S223 and (embed\$4 or hid\$4 or (water adj mark\$3) or watermark\$3)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:06
S22 6	951	S225 and ((neighbor\$3 or adjacen\$3) near pixel\$2)	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:07
S22 7	395	S226 and @ad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:07
S22 8	273	S226 and @rlad<"19991129"	US-PGPUB; USPAT	OR	OFF	2005/04/29 19:07


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Bas, P.; Chassery, J.-M.; Macq, B.;

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Cheung, S.C.; Chiu, D.K.W.;

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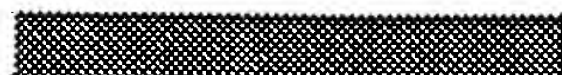
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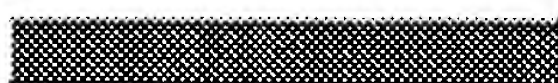
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- ☐ 10. **Transform domain technique: robust watermarking for digital Images**
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